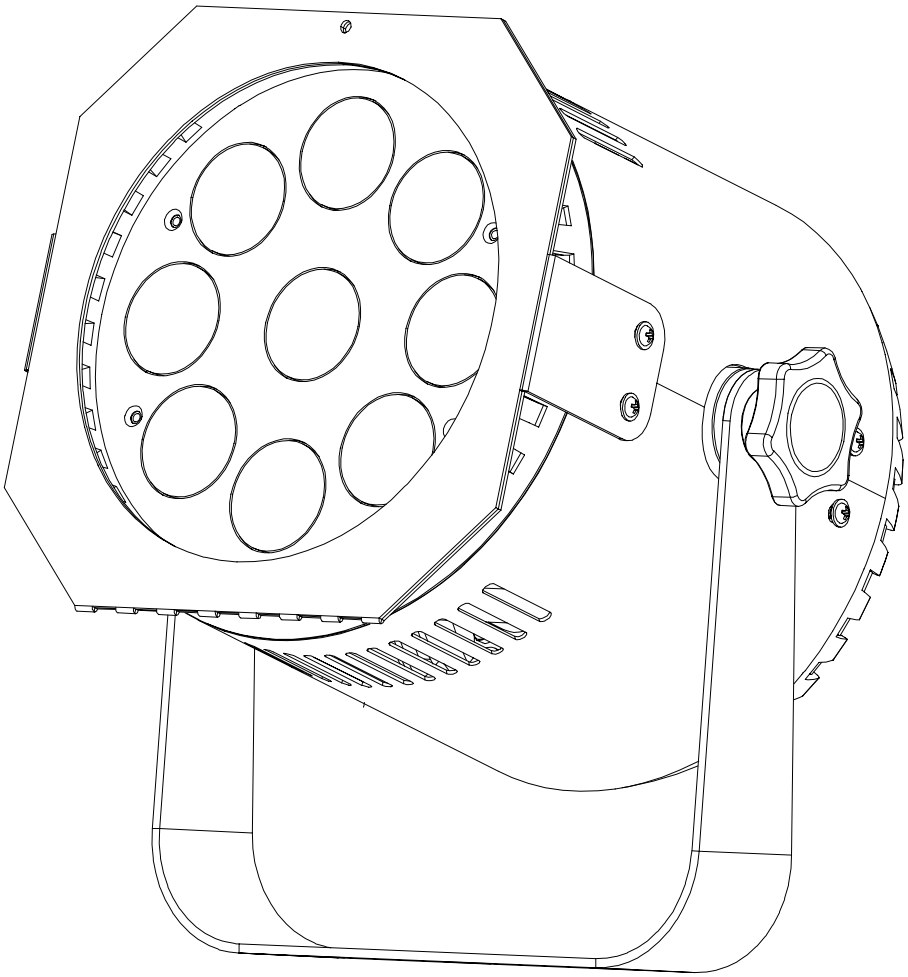
9x10W 4IN1 Indoor Par Light
User Manual



Introduction

Welcome to use High Power 4IN1 Indoor LED PAR Light under Neo-Neon Brand, This fixture applies high power LED technology and enjoys long life span. It can work in DMX, Manual, Auto, Sound and Linkable modes. It is also user-friendly, which makes it suitable for all kinds of entertainment and decorative industries. The fixture can be used as a single unit or a PAR Light Set (4 PCS or 4*N PCS)

Packing Listing

1. IRDIP-9009456-01D-13 9x10W 4IN1 Indoor Par Light-----One
2. User Manual ---------- One
3. Power Cable ---------- One
4. DMX Cable ---------- One

Specification

1. Voltage: 110V～240V/50～60Hz
2. Fuse：3A 125V / 2A 250V
3. Power Consumption：98W(max)
4. Light Source: 9 PCS 10W 4IN1 LED

5. Working Modes: DMX, Auto, Manual, Sound, Master/slave
6. Connector: DMX512(3 PINS XLR)
7. Net weight: 3kg
8. Dimension: L200 X W230 X H233

Caution

- Read the user manual before use and follow the instruction
- Please connect the fixture to the earth linked power supply and be sure that it is the same as the rating voltage on the fixture
- The fixture is pack without any spare part. Please contact the manufacturer when maintenance is needed.
- Please note that the working temperature is between -20℃ and 40℃
- Please contact the professional engineers for repair.

Addition: If the power sockets is not earth linked, please add the grounding connection to the housing of the fixture, so as to avoid the damage from the accumulated static or charge

PAR Light Setting

1. Five Working Modes :

1 Auto— Run the internal program automatically
2、Manual——Run the program manually
3、Sound —— Run the internal program by sound
4、DMX512—— DMX control Mode
5、4 Channels Mode—— Run under the control by 4-Channels controller

2. Key Pressing and Digital Tube Setting

2-1、 Operation Panel as Picture 2 shows

Picture 2

Picture 3

2-2、Instruction on Digital Tube

As Picture Three shows, it shows in 4 Digits and 8 Segments format

2-3、Function Setting and Display Instruction

The fixture has memory function. After powered on to enter DMX mode, it shows “A001” at the first time. In the following use, the fixture will enter the previous modes directly. Press the keys on the operation panel to choose different working modes. Hereunder is the details.

“MENU” Button		“ENTER” Button	“UP” Button	“DOWN” Button	“ENTER” Button
Modes	Tube Display				
DMX Mode	A***	Parameter Modification	A.001-A.512 (DMX address setting)	A.001-A.512 (DMX address setting)	Save and Run
			Par.0-Par.4 (Fixture sequence Setting)	Par.4-Par.0 (Fixture sequence Setting)	
Auto Mode	AP**		AP01-AP04 (Mode Selection)	AP04-AP01 (Mode Selection)	
			S.000-S.008 (Strobe Speed)	S.008-S.000 (Strobe Speed)	
Manual Mode	coLo		r.000-r.008 (Red Selection)	r.008-r.000 (Red Selection)	
			g.000-g.008 (Green	g.008-g.000 (Green	

			Selection)	Selection)	
			b.000-b.008 (Blue Selection)	b.008-b.000 (Blue Selection)	
			u.000-u.008 (White Selection)	u.008-u.000 (White Selection)	
			F.000-F.008 (Strobe Speed Selection)	F.008-F.000 (Strobe Speed Selection)	
Sound Mode	Soun		SP.01-SP.02 (Sound Mode Selection)	SP.02-SP.01 (Sound Mode Selection)	
4 Channel Control Mode	4-CH	Key Press doesn't work in this mode			

3. Function Instruction:

3-1、DMX Mode: when the fixture works as a single unit, please set Par.0 in the DMX working mode. When CH1=255、CH5=1、CH6=2、CH7=3, CH8=4, it will switch to Obey4 control mode directly. When the fixtures works as a set, please set Par. 1~4 and DMX address A001. If the fixture is set to Par.0 or other DMX address, the slave units will work out of the way

3-2、Auto Mode: There are 4 modes, which is AP01-AP04. Strobe speed can be set in each mode.

3-3、3-3、Manual Mode: Under this mode, RGB brightness and strobe speed can be set manually. r.000-r.008 refers to the brightness of red color、g.000-g.008 refers to the brightness of green color、b.000-b.008 refers to the brightness of blue color、u.000-u.008 refers to the brightness of white color. Strobe speed setting is the same as 3-2.

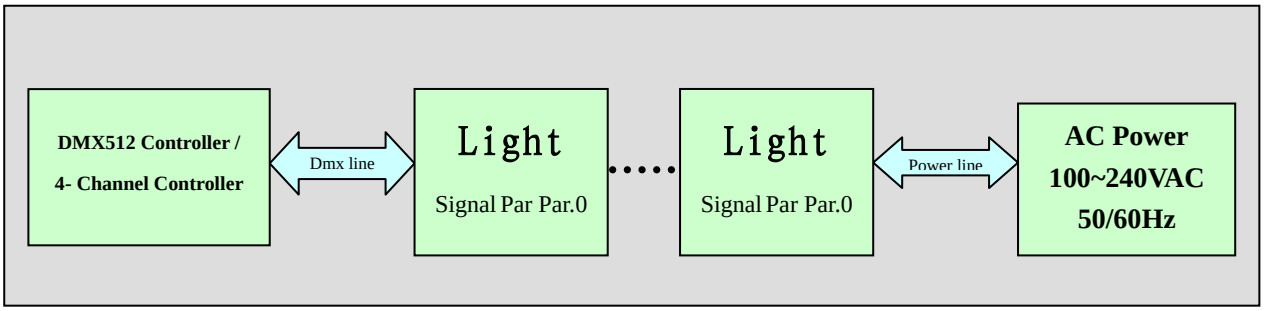
3-4、Sound Mode: Adjust the sound sensitive to the most suitable place and inset two kinds of sound modes

3-4、4 channel control mode: Under this mode, the default address is: "A001", CH1: RED, CH2: GREEN, CH3: BLUE, CH4: WHITE。

3-5、Temperature Protection Mode: Press Menu Button and then Enter Button, it will show the temperature of the light panel. If the working temperature is above 60 degree, the unit will enter protection status automatically. If the working temperature is above 90 degree, the unit will be off until the working temperature is below 60 degree.

4. Single Par Light Usage and DMX Channel Instruction:

4-1、DMX Controller Connection:



4-2、DMX Channel Instruction:

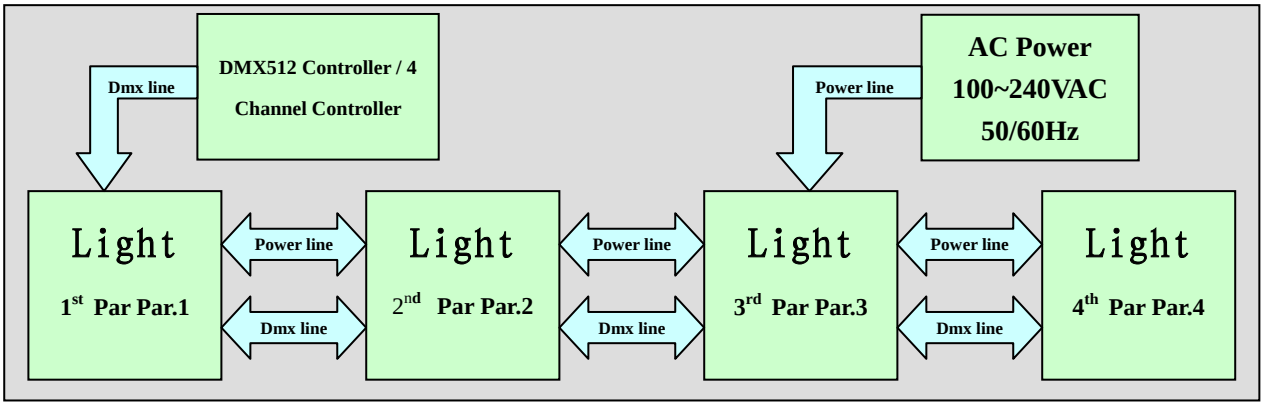
DMX Channel	Function	DMX512 Value	Description
CH1	模式	000～030	DMX Mode (CH2、CH3、CH4、CH5、CH6, CH7)
		031～080	Color Shade , (CH2,CH3、CH4、CH5、CH6, CH7)
		081～140	Color Auto Mix (CH3)
		141～170	12 Colors Auto Mix (CH3)
		171～200	15 Colors Auto Mix (CH3)
		201～240	Color Auto Switch (CH3)
		241～255	241～245: Sound Mode 1
			246～255: Sound Mode 2

CH2	RGB All Dim	000～015	Light Off
		016～255	General Brightness：1%～100%
CH3	Strobe/Fade Adjustment	000～015	No Strobe/Fade
		016～255	Strobe/Fade Speed
CH4	Red Brightness Adjustment	000～255	Red Brightness Adjustment 0%～100%.
CH5	Green Brightness Adjustment	000～255	Green Brightness Adjustment 0%～100%.
CH6	Blue Brightness Adjustment	000～255	Blue Brightness Adjustment 0%～100%.
CH7	White Brightness Adjustment	000～255	White Brightness Adjustment 0%～100%.

5. Instruction on Par Light Set

5-1、Controlled By DMX Controller

5-1-1、Connection



5-1-2、Channel Listing

DMX Channel	Function	DMX512 Value	Description
CH1	Mode Selection 01	000～009	RGB Regulation，Channel : CH2～CH19
	Mode Selection 02	010～029	Run Internal Program 01，Channel：CH3>15
	Mode Selection 03	030～049	Run Internal Program 02， Channel ： CH3>15
	Mode Selection 04	050～069	Run Internal Program 03， Channel ： CH3>15
	Mode Selection 05	070～089	Run Internal Program 04， Channel ： CH3>15
	Mode Selection 06	090～109	Run Internal Program 05， Channel ： CH3>15
	Mode Selection 07	110～129	Run Internal Program 06， Channel ： CH3>15
	Mode Selection 08	130～149	Run Internal Program 07， Channel ： CH3>15
	Mode Selection 09	150～169	Run Internal Program 08， Channel ： CH3>15
	Mode Selection 10	170～189	Run Internal Program 09， Channel ： CH3>15
	Mode Selection 11	190～209	Run Internal Program 10， Channel ： CH3>15
	Mode Selection 12	210～229	Run Internal Program 11， Channel ： CH3>15
	Mode Selection 13	230～239	Run Internal Program 12， Channel ： CH3>15
	Mode Selection 14	240～255	240～245： Sound Mode 1
			246～255：Sound Mode 2
CH2	RGB All Dim	000～255	Brightness ： 0%～100%，CH1<10 Valid
CH3	Speed Selection	000～015	No Strobe，No Speed

		016～255	Strobe Speed Selection
CH4	Red LED Brightness Adjustment	000～255	Par 1 Red LED Brightness 0%～100%.
CH5	Green LED Brightness Adjustment	000～255	Par 1 Green LED Brightness 0%～100%.
CH6	Blue LED Brightness Adjustment	000～255	Par 1 Blue LED Brightness 0%～100%.
CH7	White LED Brightness Adjustment	000～255	Par 1WhiteLED Brightness 0%～100%.
CH8	Red LED Brightness Adjustment	000～255	Par 2 Red LED Brightness 0%～100%.
CH9	Green LED Brightness Adjustment	000～255	Par 2 Green LED Brightness 0%～100%.
CH10	Blue LED Brightness Adjustment	000～255	Par 2 Blue LED Brightness 0%～100%.
CH11	White LED Brightness Adjustment	000～255	Par 2 White LED Brightness 0%～100%.
CH12	Red LED Brightness Adjustment	000～255	Par 3 Red LED Brightness 0%～100%.
CH13	Green LED Brightness Adjustment	000～255	Par 3 Green LED Brightness 0%～100%.
CH14	Blue LED Brightness Adjustment	000～255	Par 3 Blue LED Brightness 0%～100%.
CH15	White LED Brightness Adjustment	000～255	Par 3 White LED Brightness 0%～100%.
CH16	Red LED Brightness Adjustment	000～255	Par 4 Red LED Brightness 0%～100%.
CH17	Green LED Brightness Adjustment	000～255	Par 4 Green LED Brightness 0%～100%.
CH18	Blue LED Brightness Adjustment	000～255	Par 4 Blue LED Brightness 0%～100%.
CH19	White LED Brightness Adjustment	000～255	Par 4 White LED Brightness 0%～100%.

Operation Instruction

1、Stand Alone Mode

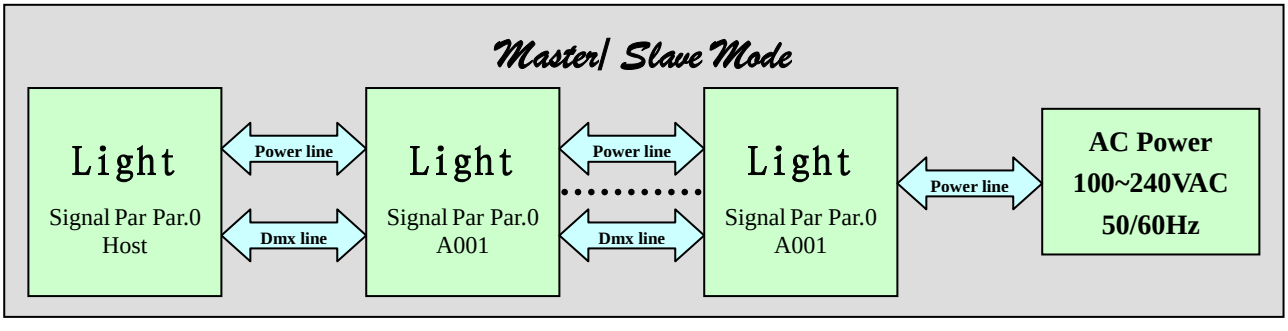
1. Stand Alone Mode: Auto, manual and sound

2. Working Mode Setting: Press different button to enter different working mode

2、Master/ Slave Mode

1. **Master/ Slave Mode**: Auto, manual and sound mode and no need to use controller。

2. Working Mode Setting: Select one unit as the master(auto sound or manual), set up DMX address A001 in other units, and all lights light Sequence Par.0 at the same time.



3. Cable Connection in Master/Slave mode：Connect the DMX output of the master and the input of the first slave unit with XLR-XLR cables, then connect the output of the first slave unit with the input of the second unit, the rest may be deduced by analogy until all the slave units are connected.

4. Four Channel Control Mode：Set up 4-channel mode for all the Par Lights in the loop. Press Menu Button until 4-CH is showed.

Note: If more than one piece master unit or DMX controller, 4-channel controller is connected, the slave units may work out of the way

3、Master and Slave Working Mode for Par Light Set

1. Working Mode Setting：Set up the DMX address: A001 on all the Slave units and Par Light Sequence Par.1~4

Four pieces Par lights can form one set. Or the fixture can link with other products Neo-Neon produces so as to get more abundant stage effect.

Fixture 1：IRDIP-9007426-00D-13（Single Unit 7x10W(4IN1)）、IRDIP-9028426-00D-13（Light Set 7x10W(4IN1)）

Fixture 2：IRDIP-4016126-00D-13（Single Unit 16x3W(RGBW)）、IRDIP-4064126-00D-13（Light Set 16x3W(RGBW)）

Fixture 3：IRDIP-2016126-00D-13（Single Unit 16x1W(RGBW)）、IRDIP-2064126-00D-13（Light Set 16x1W(RGBW)）

Fixture 4：IRDIP-9028444-00D-11（Double Units 7x10W(4IN1)）(For development)

Fixture 5：IRDIP-4064164-00D-11（Double Units 16x3W(RGBW)）(For development)

Fixture 6：IRDIP-2016124-00D-11（Double Units 16x1W(RGBW)）(For development)

Fixture 7：IRDIP-9012426-00D-13（ePAR-12x10W（4IN1）Par灯）

Fixture 8：IRDIP-9007456-01D-13（7x10W（4IN1）Par灯）

Installation

Hanging Or Level Installation

Please find the hole in the middle of the bracket and fix the light with the clamp through these holes before hanging. You can use hanging cable as assistance. Make sure that the hanging cable can bear the weight which is 10 times of the hanging subjects.

Trouble Shooting

Troubles	Checking Item	Trouble Shooting
The unit doesn’t work	1.Check and see whether the input voltage is the same as the rating voltage。 2.Make sure that the working environment is suitable for the unit。	1.Make sure that the input voltage is the same as the rating voltage。 2.Ensure the working environment。
LED isn’t bright enough	1.Check the input voltage	1. Make sure that the input voltage is the same as the rating voltage。
The unit is not controlled by the DMX	1. Check the polarity of the DMX control signal 2. See whether the unit is working under DMX mode 3. Check whether there are two masters	1. Correct the polarity of the DMX signal。 2. Set up DMX working mode。 3. Select only one master in the loop。
Light set don’t work rightly	1. Check the light sequence of every par light	1. Correct the light sequence。
The temperature doesn’t show	1. Check the thermal IC on the LED panel	1. Change the thermal IC